INDEX TO VOLUME 26

January–April 1992

RESEARCH-EXPOSITORY PAPERS

Hirsch, Morris W. and Palais, Richard S. *Editors' remarks*, 1
Lenstra, H. W., Jr. *Algorithms in Algebraic Number Theory*, 211
Morgan, John W. *Λ-Trees and their applications*, 87
Palais, Richard S. *See* Hirsch, Morris W.
Parlett, Beresford N. *Some basic information on information-based complexity theory*, 3
Shelah, Saharon. *Cardinal arithmetic for skeptics*, 197
Struwe, Michael. *Semilinear wave equations*, 53
Traub, J. F. and Woźniakowski, H. *Perspectives on information-based complexity*, 29
Woźniakowski, H. *See* Traub, J. F.

RESEARCH ANNOUNCEMENTS

Albeverio, Sergio and Ma, Zhi-Ming. *A general correspondence between Dirichlet forms and right processes*, 245
Arapura, Donu. *Higgs line bundles, Green-Lazarsfeld sets, and maps of Kähler manifolds to curves*, 310
Boyer, C. P., Hurtubise, J. C., Mann, B. M., and Milgram, R. J. *The Atiyah-Jones conjecture*, 317
Brylinski, Ranee and Kostant, Bertram. *Nilpotent orbits, normality, and Hamiltonian group actions*, 269
Bunce, L. J. and Wright, J. D. Maitland. *The Mackey-Gleason problem*, 288
Burger, M., Li, J. S., and Sarnak, P. *Ramanujan duals and automorphic spectrum*, 253
Christ, Michael. *Some non-analytic-hypoelliptic sums of squares of vector fields*, 137
Deift, P. and Zhou, X. *A steepest descent method for oscillatory Riemann-Hilbert problems*, 119
Friedlander, Eric M. and Lawson, H. Blaine, Jr. *A theory of algebraic cocycles*, 264
Gelfand, I. M. and MacPherson, R. D. *A combinatorial formula for the Pontrjagin classes*, 304
Hauser, Herwig and Müller, Gerd. *Analytic varieties versus integral varieties of Lie algebras of vector fields*, 276
Hurtubise, J. C. *See* Boyer, C. P.
Kalai, Gil and Kleitman, Daniel J. *A quasi-polynomial bound for the diameter of graphs of polyhedra*, 315
Keen, Linda and Series, Caroline. *Pleating coordinates for the Teichmüller space of a punctured torus*, 141
Kleitman, Daniel J. *See* Kalai, Gil
Kostant, Bertram. *See* Brylinski, Ranee
Lawson, H. Blaine, Jr. *See* Friedlander, Eric M.
Levy-Bruhl, P., Mohamed, A., and Nourrigat, J. *Spectral theory and representations of nilpotent groups*, 299
Li, J. S. *See* Burger, M.
Lilly, Glenn M. *See* Milne, Stephen C.
Ma, Zhi-Ming. *See* Albeverio, Sergio
MacPherson, R. D. *See* Gelfand, I. M.
Mann, B. M. *See* Boyer, C. P.
Mihalik, Michael L. and Tschantz, Steven T. *Semistability of amalgamated products, HNN-extensions, and all one-relator groups*, 131
Milgram, R. J. *See* Boyer, C. P.
Milne, Stephen C. and Lilly, Glenn M. *The A_ℓ and C_ℓ Bailey transform and lemma*, 258
Mohamed, A. *See* Levy-Bruhl, P.
Müller, Gerd. *See* Hauser, Herwig
Nag, Subhashis. *A period mapping in universal Teichmüller space*, 280
Nourrigat, J. *See* Levy-Bruhl, P.
Ran, Ziv. *Lifting of cohomology and unobstructedness of certain holomorphic maps*, 113
Sarnak, P. *See* Burger, M.
Seip, Kristian. *Density theorems for sampling and interpolation in the Bargmann-Fock space*, 322
Series, Caroline. *See* Keen, Linda
Tschantz, Steven T. *See* Mihalik, Michael L.

INDEX TO VOLUME 26

White, Brian. *Nonunique tangent maps at isolated singularities of harmonic maps*, 125
Wright, J. D. Maitland. *See* Bunce, L. J.
Xie, Wenzheng. *A sharp pointwise bound for functions with L^2-Laplacians on arbitrary domains and its applications*, 294
Zhou, X. *See* Deift, P.

BOOK REVIEWS

Atiyah, Michael. *The geometry and physics of knots*, reviewed by Raoul Bott, 182
Aubin, Jean-Pierre and Frankowska, Helene. *Set-valued analysis*, reviewed by Jonathan Borwein, 157
Bejancu, Aurel. *Finsler geometry and applications*, reviewed by Hanno Rund, 148
Büchi, J. Richard. *Finite automata, their algebras and grammars: Towards a theory of formal expressions*, reviewed by Howard Straubing, 340
Bucklew, James A. *Large deviation techniques in decision, simulation, and estimation*, reviewed by Richard S. Ellis, 160
Cherry, William. *See* Lang, Serge
Cioranescu, Ioana. *Geometry of Banach spaces, duality mappings and nonlinear problems*, reviewed by Simeon Reich, 367
Efimov. *See* Golubov
Evans, Lawrence C. *Weak convergence methods for nonlinear partial differential equations*, reviewed by Michel Chipot and David Kinderlehrer, 147
Fomenko, Anatoliĭ T. *Variational principles of topology. Multidimensional minimal surface theory*, reviewed by Fred Almgren, 188
Frankowska, Helene. *See* Aubin, Jean-Pierre
Fujita, Takao. *Classsification theories of polarized varieties*, reviewed by Andrew J. Sommese, 179
Golubov, Efimov, and Skvortsov. *Walsh series and transforms*, reviewed by W. R. Wade, 348
Karpilovsky, Gregory. *Induced modules over group algebras*, reviewed by Gerald Cliff, 193
Lakshmikantham, V., Matrosov, V. M., and Sivasundaram, S. *Vector Lyapunov functions and stability analysis of nonlinear systems*, reviewed by T. A. Burton, 344
Lang, Serge and Cherry, William. *Topics in Nevanlinna theory*, reviewed by Paul Vojta, 153
Matrosov, V. M. *See* Lakshmikantham, V.
Mawhin, Jean and Willem, Michel. *Critical point theory and Hamiltonian systems*, reviewed by M. S. Berger, 329
Palais, Richard S. and Terng, Chuulian. *Critical point theory and submanifold geometry*, reviewed by M. S. Berger, 329
Rumely, Robert S. *Capacity theory on algebraic curves*, reviewed by Ted Chinburg, 332
Schmüdgen, Konrad. *Unbounded operator algebras and representation theory*, reviewed by Palle Jorgensen, 152
Sivasundaram, S. *See* Lakshmikantham, V.
Skvortsov. *See* Golubov
Stépán, G. *Retarded dynamical systems: stability and characteristic functions*, reviewed by Kenneth L. Cooke, 175
Strauss, Walter A. *Nonlinear wave equations*, reviewed by Cathleen S. Morawetz, 360
Strooker, Jan R. *Homological questions in local algebra*, reviewed by Craig Huneke, 361
Terng, Chuulian. *See* Palais, Richard M.
Willem, Michel. *See* Mawhin, Jean
Ženišek, A. *Nonlinear elliptic and evolution problems and their finite element approximations*, reviewed by M. Dobrowolski, 336
Zwillinger, Daniel. *Handbook of differential equaitons*, reviewed by Ray Redheffer, 171